

Title (en)

Variable-length encoding-decoding system.

Title (de)

System zum Codieren-Decodieren mit variabler Wortlänge.

Title (fr)

Système de codage-décodage à longueur de mot variable.

Publication

**EP 0122027 A1 19841017 (EN)**

Application

**EP 84301524 A 19840307**

Priority

JP 4037283 A 19830311

Abstract (en)

[origin: JPS59167165A] PURPOSE:To offer a simple variable length encoding system with high practicality by adopting a simple code converting processing so as to attain a code word train in which a minimum inverting interval is long and also a maximum inverting interval is short.

CONSTITUTION:In this invention, a binary data train is sectioned into three kinds of 2-bit length data words selected from (1,1), (1,0), (0,1) and (0,0), a 2-bit length data after the selection above as a high-order bit, and two kinds of 3- bit length data words having (0) or (1) as a low-order bit. After the 2-bit length data word is converted into a code word consisting of (1,0,0,0), (0,1,0,0) and (0,0,1,0) and the 3-bit length data word is converted into a code word comprising (1,0,0,1,0,0) and (0,0,0,1,0,0), the code (1,0,1) in the converted code word train is converted further into (0,0,1), said binary data train is encoded and the encoded data train is decoded with inversion according to said relation of correspondence.

IPC 1-7

**G11B 5/09**

IPC 8 full level

**G11B 20/14** (2006.01); **H03M 7/40** (2006.01); **H04L 25/49** (2006.01)

CPC (source: EP US)

**G11B 20/1426** (2013.01 - EP US); **H03M 7/40** (2013.01 - EP US)

Citation (search report)

- [A] DE 2508706 A1 19751120 - IBM
- [AD] US 3689899 A 19720905 - FRANASZEK PETER A
- [A] Patent Abstracts of Japan vol. 7, no. 23, 29 January 1983 & JP-A-57 176 519
- [AD] Patent Abstracts of Japan vol. 6, no. 147, 6 August 1982 & JP-A-57 069 959

Cited by

US4885041A; EP0319101A1; US11290575B2; EP0625828A3; US5600315A; US11357020B2; US11405766B2

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**EP 0122027 A1 19841017**; **EP 0122027 B1 19870805**; DE 3465217 D1 19870910; JP S59167165 A 19840920; US 4553130 A 19851112

DOCDB simple family (application)

**EP 84301524 A 19840307**; DE 3465217 T 19840307; JP 4037283 A 19830311; US 58674384 A 19840306